

Express Mailing No. EV327173816US

Date Deposited: February 27, 2004

Our Case No.: 12342-13

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

David G. Lawrence et al.

Serial No.: To Be Assigned

Filing Date: Herewith

For: MULTIPLE ANTENNA MUTLI-  
FREQUENCY MEASUREMENT  
SYSTEM

Examiner: To Be Assigned

Group Art Unit No.: To Be Assigned

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
Alexandria, VA 22313-1450

Dear Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed on the attached Form PTO-1449 be considered by the Examiner and made of record. Copies of the listed documents required by 37 C.F.R. § 1.98(a)(2) are enclosed for the convenience of the Examiner.

In accordance with 37 C.F.R. § 1.97(g),(h), this Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed to be an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

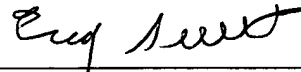
This Information Disclosure Statement is being filed prior to the receipt of the first Official Action reflecting an examination on the merits and hence is believed to be timely filed in accordance with 37 C.F.R. § 1.97(b). No fees are believed to be due in connection with filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to these material, the Commissioner is hereby authorized to deduct said fees from Brinks Hofer Gilson & Lione Deposit Account No. 23-1925. A duplicate copy of this document is enclosed.

This application is a continuation application of PCT Serial No. PCT/US02/36960, filed November 19, 2002 and is relied upon for an earlier filing dated under 35 U.S.C. § 120. In accordance with Rule 37 C.F.R. § 1.98(d) only copies of documents not previously cited and submitted to the Patent and Trademark Office in the prior application Serial No. PCT/US02/36960 are enclosed for the convenience of the Examiner. Enclosed is a copy of the search report for the priority PCT application.

In accordance with 37 C.F.R. § 1.97(e)(1), Applicant(s) hereby certify that each item of the information disclosed in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to filing of the present statement, as evidenced by the date of the enclosed search report.

Applicants respectfully request that the listed documents be made of record in the present case.

Respectfully submitted,



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Attorney for Applicant(s)

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|---|--|----------------------------------|
| FORM PTO-1449   | SERIAL NO.<br>To Be Assigned           | CASE NO.<br>12342-13             |
| LIST OF PATENTS AND PUBLICATIONS FOR<br>APPLICANT'S INFORMATION DISCLOSURE<br>STATEMENT | FILING DATE<br>Herewith                | GROUP ART UNIT<br>To Be Assigned |
| (use several sheets if necessary)   | APPLICANT(S): David G. Lawrence et al. |                                  |

**REFERENCE DESIGNATION**
**U.S. PATENT DOCUMENTS**

| EXAMINER<br>INITIAL |    | DOCUMENT<br>NUMBER<br><small>Number-Kind Code (if known)</small> | DATE       | NAME         | CLASS/<br>SUBCLASS | FILING<br>DATE |
|---------------------|----|--|------------|--------------|--------------------|----------------|
|                     | A1 | 5,920,278  | 06/06/1999 | Tyler et al. |                    |                |
|                     |    |  |            |              |                    |                |

**FOREIGN PATENT DOCUMENTS**

| EXAMINER<br>INITIAL |  | DOCUMENT<br>NUMBER<br><small>Number-Kind Code (if known)</small> | DATE | COUNTRY | CLASS/<br>SUBCLASS | TRANSLATION<br>YES OR NO |
|---------------------|--|--|------|---------|--------------------|--------------------------|
|                     |  |  |      |         |                    |                          |

**EXAMINER  
INITIAL**
**OTHER ART – NON PATENT LITERATURE DOCUMENTS**

(Include name of author, title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published.

|  |    |   |
|--|----|---|
|  | A2 | "Optimum Semi0Condeless Carrier Phase Tracking of L2," by K.T. Woo; NavCom Technology, Inc. Redondo Beach, CA; Presented at the 12 <sup>th</sup> International Technical Meeting of the Satellite Division of the Institute of Navigation, Nashville, TN - September 14-17, 1999.   |
|  | A3 | "Attitude Determination Using GPS - Development Of An All Solid-State Guidance, Navigation, and Control Sensor For Air and Space Vehicles Based on the Global Positioning System," Excerpt from A Dissertation Submitted to the Department of Aeronautics and Astronautics and the Committee of Graduate Studies of Stanford University; by Clark Emerson Cohen; dated December 1992. |
|  | A4 | JNSGyro-4; <a href="http://www.javad.com/jns/products/JNSGyro-4.html">http://www.javad.com/jns/products/JNSGyro-4.html</a> ; printed on February 2, 2004; at least as early as April 24, 2003.  |
|  | A5 |   |
|  | A6 |   |
|  | A7 |   |

|          |                 |
|----------|-----------------|
| EXAMINER | DATE CONSIDERED |
|----------|-----------------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.